MONTHLY BULLETIN

OF

# THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

MAY, 1936

J. A. BROWN, DIRECTOR

Printed at the American Press
Beirut, Syria

# MAY 1936

## METEOROLOGICAL REGISTER

| Date | Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ... | | | | Thermometer Cent. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | Max. | Min. | 8:30 | 14:30 | 20:30 | Mean |
| 1 | 59.2 | 59.2 | 59.6 | 59.3 | 23.8 | 16.9 | 21.1 | 23.2 | 18.3 | 20.9 |
| 2 | 60.2 | 60.0 | 60.5 | 60.2 | 25.5 | 18.1 | 21.8 | 24.5 | 20.1 | 22.1 |
| 3 | 58.9 | 58.0 | 57.2 | 58.0 | 23.9 | 17.5 | 22.3 | 21.6 | 19.8 | 21.2 |
| 4 | 5.8 | 4.4 | 3.9 | 4.7 | 25.4 | 19.7 | 22.8 | 24.7 | 20.6 | 22.7 |
| 5 | 5.2 | 6.7 | 8.0 | 6 6 | 25.4 | 16.5 | 22.7 | 24.7 | 19.8 | 22.4 |
| 6 | 59.5 | 59.2 | 59.3 | 59.3 | 24.4 | 16.3 | 21.9 | 23.5 | 18.9 | 21.4 |
| 7 | 9.0 | 8.2 | 8.8 | 8.7 | 24.8 | 16.8 | 20.7 | 23.7 | 19.3 | 21.2 |
| 8 | 9.0 | 8.9 | 9.3 | 9.1 | 26.1 | 18 3 | 22.3 | 24.9 | 19.7 | 22.3 |
| 9 | 7.4 | 7.0 | 6.2 | 6.9 | 31.0 | 20.0 | 26.5 | 29.0 | 22.5 | 26.0 |
| 10 | 6.0 | 5.6 | 4.0 | 5.2 | 26.7 | 19.4 | 22 7 | 25.9 | 20.9 | 23.2 |
| 11 | 51.1 | 47.3 | 49.5 | 49.3 | 33.3 | 20.0 | 24.9 | 28.8 | 21.6 | 25.1 |
| 12 | 2.3 | 51.5 | 52.8 | 52.2 | 26.5 | 18.1 | 23.3 | 25.3 | 20.6 | 23.1 |
| 13 | 3.7 | 4.5 | 5.3 | 4.5 | 25.7 | 17.4 | 23.4 | 24.5 | 19.1 | 22.3 |
| 14 | 6.1 | 6.2 | 6.7 | 6.3 | 25.9 | 17.8 | 23.3 | 25.7 | 19.8 | 22.9 |
| 15 | 7.6 | 7.1 | 6.5 | 7.1 | 25.2 | 17.0 | 23.3 | 22.4 | 20.3 | 22.0 |
| 16 | 57.2 | 57.3 | 58.3 | 57.6 | 23.8 | 16.3 | 17.9 | 22.8 | 18.2 | 19.6 |
| 17 | 8.1 | 8.4 | 9.3 | 8.6 | 24.8 | 16.6 | 20.1 | 23.9 | 19.3 | 21.1 |
| 18 | 8.7 | 8.1 | 7.6 | 8.1 | 25.4 | 16.6 | 22.6 | 24.7 | 18.9 | 22.1 |
| 19 | 5.8 | 5.8 | 6.0 | 5.9 | 25.6 | 16.7 | 22.8 | 24.5 | 18.8 | 22.0 |
| 20 | 7.0 | 7.3 | 8.9 | 7.7 | 25.9 | 17.4 | 23.2 | 25.2 | 19.6 | 22.7 |
| 21 | 59.9 | 60.1 | 60.0 | 60.0 | 26.4 | 19.5 | 23.6 | 25.3 | 20.8 | 23.2 |
| 22 | 9.8 | 59.2 | 58.7 | 59.2 | 27.8 | 19.8 | 24.8 | 26.7 | 21.1 | 24.2 |
| 23 | 7.5 | 6.8 | 4.4 | 6.2 | 28.4 | 21.6 | 24.6 | 26.2 | 22.6 | 24.5 |
| 24 | 3.4 | 3.0 | 6.8 | 4.4 | 32.7 | 19.5 | 29.5 | 31.4 | 22.4 | 27.8 |
| 25 | 7.6 | 7.9 | 6.5 | 7.3 | 27.1 | 18.8 | 23.8 | 26.4 | 20.4 | 23.5 |
| 26 | 55.7 | 57.1 | 57.8 | 56.9 | 26.3 | 19.2 | 24.0 | 25.3 | 20.4 | 23.2 |
| 27 | 7.7 | 7.4 | 7.4 | 7.5 | 26.0 | 18.4 | 22.8 | 24.7 | 21.1 | 22.9 |
| 28 | 6.4 | 5.6 | 0.4 | 4.1 | 27.4 | 21.3 | 24.6 | 26.6 | 21.7 | 24.3 |
| 29 | 49.7 | 1.9 | 3.2 | 1.6 | 27.1 | 17.4 | 24.5 | 25.3 | 18.2 | 22.7 |
| 30 | 54.1 | 6.0 | 5.2 | 5.1 | 25.4 | 19.2 | 22.3 | 23.8 | 20.3 | 22.1 |
| 31 | 9.3 | 9.0 | 9.9 | 9.4 | 26.7 | 18.7 | 23.8 | 26.0 | 20.8 | 23.5 |
| | 756.74 | 756.60 | 756.71 | 756.68 | 26.45 | 18.28 | 23.16 | 25.20 | 20.16 | 22.85 |

Barometer, range for month 747.3 mm.–760.5 mm.
,, 50-yr. average for month 759.624 mm.
Thermometer, Range for month 16.3° C.—33.3° C.
,, 50-yr. average for month 22.19° C.
Rain, total for month 26.06 mm.
,, , 50-yr. average for month 20.83 mm.
,, , total, Sept. 1st to end of month 877.428 mm.
50-yr. average, Sept 1st to end of month 902.73 mm.

# MAY 1936

## METEOROLOGICAL REGISTER

| Date | Wet Bulb Cent. | | | Elasticity of Vapor mm. | | | | Relative Moisture per cent. | | | | Sun. hrs. | Rain mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | 8:30 | 14:30 | 20:30 | Mean | 8:30 | 14:30 | 20:30 | Mean | | |
| 1 | 18.2 | 19.7 | 17.5 | 13.6 | 14.6 | 14.3 | 14.2 | 73 | 69 | 91 | 78 | 9.0 | |
| 2 | 19.4 | 21.4 | 18.0 | 14.9 | 16.6 | 13.8 | 15.1 | 77 | 73 | 79 | 76 | 11.5 | |
| 3 | 20.1 | 19.8 | 19.4 | 15.7 | 15.9 | 16.5 | 16.0 | 79 | 82 | 96 | 89 | 1.6 | |
| 4 | 21.3 | 22.0 | 20.4 | 17.6 | 17.6 | 17.6 | 17.6 | 85 | 75 | 98 | 86 | 6.0 | |
| 5 | 21.1 | 22.1 | 18.2 | 17.2 | 17.6 | 14.4 | 16.4 | 84 | 76 | 84 | 81 | 9.6 | 0.406 |
| 6 | 18.0 | 19.7 | 16.7 | 12.8 | 14.4 | 12.7 | 13.3 | 65 | 67 | 79 | 70 | 10.5 | |
| 7 | 17.5 | 20.6 | 18.2 | 12.7 | 15.8 | 14.7 | 14.4 | 70 | 72 | 88 | 77 | 9.2 | |
| 8 | 19.2 | 21.4 | 18.7 | 14.4 | 16.3 | 15.2 | 15.3 | 72 | 69 | 89 | 77 | 12.5 | |
| 9 | 21.4 | 24.6 | 21.1 | 15.2 | 19.2 | 17.5 | 17.3 | 59 | 64 | 86 | 70 | 11.6 | |
| 10 | 21.0 | 23.2 | 20.4 | 17.1 | 18.8 | 17.4 | 17.8 | 83 | 75 | 94 | 84 | 10.2 | |
| 11 | 19.8 | 23.9 | 19.2 | 13.9 | 10.1 | 14.9 | 12.9 | 60 | 60 | 77 | 66 | 3.3 | |
| 12 | 20.4 | 21.3 | 18.8 | 15.8 | 15.8 | 14.7 | 15.4 | 74 | 66 | 82 | 74 | 8.8 | |
| 13 | 19.9 | 20.1 | 16.8 | 14.8 | 14.3 | 12.8 | 14.0 | 70 | 63 | 78 | 70 | 9.6 | |
| 14 | 19.2 | 21.2 | 18.0 | 13.7 | 15.5 | 14.1 | 14.4 | 64 | 63 | 82 | 70 | 10.1 | |
| 15 | 18.9 | 18.3 | 18.3 | 13.3 | 12.9 | 14.1 | 13.4 | 62 | 64 | 80 | 69 | 7.2 | 0.432 |
| 16 | 17.6 | 20.4 | 17.6 | 14.7 | 16.0 | 14.5 | 15.0 | 97 | 78 | 94 | 90 | 7.1 | 15.951 |
| 17 | 17.3 | 19.7 | 17.7 | 12.7 | 14.1 | 13.9 | 13.6 | 73 | 64 | 83 | 73 | 11.1 | |
| 18 | 19.3 | 20.7 | 17.9 | 14.4 | 15.3 | 14.6 | 14.7 | 71 | 66 | 89 | 75 | 12.9 | |
| 19 | 20.0 | 20.4 | 16.9 | 15.3 | 14.9 | 13.1 | 14.4 | 74 | 66 | 82 | 74 | 12.8 | |
| 20 | 19.9 | 21.1 | 17.7 | 14.9 | 15.6 | 13.8 | 14.8 | 70 | 65 | 82 | 72 | 13.0 | |
| 21 | 19.8 | 21.1 | 19.4 | 14.5 | 15.5 | 15.6 | 15.2 | 67 | 65 | 85 | 72 | 13.3 | |
| 22 | 21.1 | 22.6 | 19.6 | 15.5 | 17.2 | 15.8 | 16.2 | 68 | 66 | 84 | 73 | 13.3 | |
| 23 | 22.0 | 23.5 | 22.1 | 17.6 | 19.3 | 19.3 | 18.7 | 76 | 77 | 95 | 83 | 9.6 | |
| 24 | 25.9 | 22.8 | 21.2 | 21.8 | 14.7 | 17.7 | 18.1 | 71 | 42 | 88 | 67 | 0.6 | |
| 25 | 21.1 | 21.5 | 19.3 | 16.5 | 15.5 | 15.7 | 15.9 | 74 | 60 | 88 | 74 | 12.7 | |
| 26 | 21.1 | 20.7 | 17.8 | 16.4 | 14.8 | 13.3 | 14.8 | 73 | 62 | 75 | 70 | 12.2 | |
| 27 | 19.6 | 20.8 | 18.8 | 14.6 | 15.4 | 14.6 | 14.8 | 71 | 67 | 78 | 72 | 12.0 | 0.381 |
| 28 | 20.3 | 21.4 | 20.5 | 14.6 | 15.2 | 16.9 | 15.6 | 64 | 58 | 88 | 70 | 12.1 | |
| 29 | 21.7 | 21.3 | 16.2 | 17.1 | 15.9 | 12.4 | 15.2 | 75 | 67 | 80 | 74 | 3.6 | |
| 30 | 20.4 | 21.6 | 19.3 | 16.4 | 17.5 | 15.9 | 16.6 | 82 | 80 | 90 | 84 | 7.4 | 8.890 |
| 31 | 21.0 | 22.2 | 19.4 | 16.4 | 16.9 | 15.8 | 16.4 | 75 | 68 | 86 | 76 | 12.1 | |
| | | | | 15.37 | 15.77 | 15.08 | 15.40 | 72.84 | 67.39 | 85.48 | 75.24 | 9.56 | 0.841 |

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

# MAY 1936

## METEOROLOGICAL REGISTER

| Date | Clouds Clear—0 Overcast—10 | | | | Direction and force of wind 0—10 | | | Wind per day | Sea | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | 8:30 | 14:30 | 20:30 | Kms. | | |
| 1 | 0 | 0 | 1ci | 0.3 | 1e | 1n | 0 | 79.7 | calm | |
| 2 | 0 | 0 | 10ci | 3.3 | 1n | 1n | 1w | 144.8 | slight | |
| 3 | 10st | 10st | 9ci | 9.7 | 1n | 1n | 1n | 189.8 | „ | thin M. p.m. |
| 4 | 10ci | 10ci | 0 | 6.0 | 0 | 1n | 0 | 110.2 | light | „ „ heavy D.a.m. |
| 5 | 10st | 2cu | 8cu | 6.7 | 1s | 1s | 2sw | 214.8 | „ | L. eve. |
| 6 | 0 | 2cicu | 6cicu | 2.7 | 1w | 3w | 1w | 154.8 | mod. | thin M. a.m. - p.m. |
| 7 | 10stci | 1cu | 0 | 3.7 | 1sw | 2n | 1n | 259.1 | „ | |
| 8 | 0 | 0 | 0 | 0.0 | 2w | 1w | 1n | 37.6 | slight | |
| 9 | 2cu | 0 | 0 | 0.7 | 0 | 0 | 0 | 27.7 | calm | |
| 10 | 8ci | 0 | 0 | 2.7 | 1n | 1w | 1n | 43.1 | „ | |
| 11 | 10st | 10st | 6cu | 8.7 | 0 | 1w | 4s | 368.5 | slight | Tr.thinM.a.m.F.p.m. |
| 12 | 2cu | 0 | 8cu | 3.3 | 1w | 0 | 1w | 88.5 | light | [S. g; Sir] |
| 13 | 1cu | 5cicu | 0 | 2.0 | 1sw | 1w | 0 | 56.9 | „ | |
| 14 | 2cicu | 7cicu | 0 | 3.0 | 1sw | 2w | 0 | 166.0 | „ | |
| 15 | 6cicu | 10stcu | 10stcu | 8.7 | 2w | 1w | 2w | 173.7 | mod. | S w g, a.m. |
| 16 | 10stni | 9stcu | 3cu | 7.3 | 2sw | 1s | 1s | 99.2 | „ | F. a.m. p.m. |
| 17 | 10stcu | 3cu | 1cu | 4.7 | 2w | 2sw | 1w | 183.6 | „ | |
| 18 | 1cu | 2cu | 0 | 1.0 | 1w | 1w | 0 | 41.2 | slight | |
| 19 | 6cu | 1cu | 0 | 2.3 | 1w | 1w | 0 | 111.3 | calm | thin F. a.m. L. eve. |
| 20 | 0 | 0 | 0 | 0.0 | 1sw | 2w | 0 | 128.9 | slight | |
| 21 | 0 | 0 | 0 | 0.0 | 0 | 1w | 0 | 67.6 | „ | |
| 22 | 0 | 0 | 0 | 0.0 | 1w | 1w | 0 | 309.2 | light | |
| 23 | 6ci | 10ci | 10ci | 8.7 | 0 | 1n | 0 | 93.5 | „ | |
| 24 | 10cu | 10cicu | 2cu | 7.3 | 0 | 0 | 2sw | 174.6 | calm | F. a.m. p.m. |
| 25 | 0 | 0 | 0 | 0.0 | 1w | 1w | 0 | 336.9 | light | |
| 26 | 0 | 0 | 5cu | 1.7 | 1w | 1w | 0 | 187.7 | „ | F. a.m. |
| 27 | 3cu | 3cu | 6cu | 4.0 | 2w | 2s | 1sw | 382.9 | mod. | F. eve. |
| 28 | 0 | 0 | 10ci | 3.3 | 0 | 0 | 2sw | 246.6 | light | lunar halo |
| 29 | 1ci | 5cu | 5cu | 3.7 | 4sw | 4sw | 2sw | 698.7 | stormy | Swg a.m.F.a.m.p.m. |
| 30 | 8cu | 5cu | 2cu | 5.0 | 2sw | 2sw | 1n | 514.4 | rough | |
| 31 | 1cu | 7ci | 9cu | 5.7 | 1w | 1w | 0 | 148.8 | light | F. p.m. eve. L eve. |
| | | | | 3.75 | 1.1 | 1.2 | 0.8 | 188.40 | | |

### Number of Daily Wind Observations

| Time | N | NE | E | SE | S | SW | W | NW | Calm | Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:30 | 3 | 0 | 1 | 0 | 1 | 7 | 12 | 0 | 7 | 31 |
| 14:30 | 6 | 0 | 0 | 0 | 3 | 3 | 15 | 0 | 4 | 31 |
| 20:30 | 5 | 0 | 0 | 0 | 3 | 4 | 5 | 0 | 14 | 31 |
| Totals | 14 | 0 | 1 | 0 | 7 | 14 | 32 | 0 | 25 | 93 |

Number of days with rain 5, fog 8, thunderstorms 0, gales 3.

50-yr. average number of days with rain during month 3.2

Abbreviations used in "Notes"; (M) Mist, (D) Dew, (L) Lightning (tr.). Trace of rain, (F), Fog (G) Gale (Sir) sirocco.